66,291-157 (ABB Ref: 8241) 08/952,996



2834/#

# 35,944

Lilackers

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:

Leijon et al.

Serial No.:

08/952,996

Art Unit:

2834

Filed:

04/10/1998

Examiner:

Enad, Elvin

For:

A TURBO-GENERATOR PLANT (AS AMENDED)

Docket No.:

66,291-157

ABB Ref:

8241

Assistant Commissioner for Patents Washington, D.C. 20231

# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT SUBMITTED WITHOUT COPIES OF INFORMATION DISCLOSURE STATEMENT CITATIONS PURSUANT TO DECISION ON PETITION UNDER 37 C.F.R. 1.183 SEEKING WAIVER OF REQUIREMENTS UNDER 37 C.F.R. 1.98

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO Form-1449, an addendum to the previous PTO Form-1449 filed in this application. Copies of the 169 references set forth on the attached addendum PTO Form-1449 have been filed with the Office on December 21, 2000 in accord with the terms of the Office's Decision on Petition (copy attached).

#### CERTIFICATE OF MAILING

I hereby certify that this Supplemental Information Disclosure Statement and recited attachments are being deposited with the United States Postal Service on this 20<sup>th</sup> day of February, 2001 in an envelope as first class mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Alesia A. Mungons

66,291-157 (ABB Ref: 8241) 08/952,996

The above information is presented so that the Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. See 37 C.F.R. §§ 1.104(a) and 1.106(b) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Pursuant to the Decision on Petition dated December 1, 1999, which was filed in U.S. Patent Application No. 09/147,325 (the holding application), the requirement for the submission of a copy of each Information Disclosure Statement citation is waived provided that the conditions set forth in paragraphs 1-8 (pages 8-10) of the Decision on Petition are met.

The conditions set forth in the Decision on Petition are believed to have been met as follows:

- 1. Three paper copies of each Information Disclosure Statement citation on the attached addendum PTO Form-1440 has been supplied to the U.S. Patent and Trademark Office on December 21, 2000, specifically with Mr. Michael Gellner.
- 2. This application (the bulk filing application) for which the waiver is desired is related to the above-identified holding application, U.S. Patent Application No. 09/147,325.
  - 3. The information herein has been cited in the above holding application.
  - 4. A copy of the Decision on Petition granting the waiver is attached hereto.
- 5. At present, no explanatory information related to any particular citation has been submitted in the holding application except for transactions of foreign language references, if applicable.
- 6. As of the time of this filing, the Office has not terminated the waiver grant, nor has the Applicant terminated or withdrawn its assent to the waiver.
  - 7. The holding application is co-pending herewith.

66,291-157 (ABB Ref: 8241) 08/952,996

8. The paper copies of the references cited herein are believed to be contained (or will be contained) in a series of official digests established by the Office which is noted in the Decision on Petition.

Pursuant to 37 C.F.R. §§ 1.97(c) and 1.17(p), please charge Deposit Account No. 04-2223 in an amount of \$180.00. Please charge any additional fees to Deposit Account No. 04-2223. A duplicate copy of this paper is attached.

Respectfully submitted,

 $\mathbf{R}_{\mathbf{W}}$ 

Date: February 20, 2001

John W. Rees, Reg. No. 38,278 Dykema Gossett PLLC 39577 Woodward Avenue, Suite 300 Bloomfield Hills, MI. 48304-2820 (248) 203-0832 jrees@dykema.com

John P. Deluca, Reg. No. 25,505 Dykema Gossett PLLC Franklin Square, Third Floor West 1300 I Street N.W. Washington, DC 20005-3535 (202) 522-8626 jdeluca@dykema.com

BH01\\ 290145.1 ID\ JWR

	ALTER	I DISCLOSURE CITA NATE FORM PTQ-14 ional to original listing	49	Docket Number: <b>66,291-157</b>		Serial N	lo. <b>08/952,996</b>
	·	- 137	C)	Applicant(s): Leijon et al.			
		FEB :	O. E. C.	Filing Date: <b>04/10/1998</b>		Group A	Art Unit: 2834
		FRADE	3.15.C.	PATENT DOCUMENTS			
EXAMINER	1	DOCUMENT	DATE	NAME	CLASS	CLID	FILING DATE
INITIAL	İ	NUMBER	BATE	IVAIVIE	CLASS		IF APPROPRIATE
	1	US 1,508,456	9/16/24	W.G.Lenz		OLAGG	III ALTROPRIATE
	2	US 1,904,885	4/18/33	G.A.Seeley			
	3	US 2,409,893	10/22/46	W.W. Pendleton et al			-
	4	US 2,650,350	8/25/53	P.D. Heath			
	5	US 2,749,456	06/05/56	F.O. Luenberger			
	6	US 3, 014, 139	12/19/61	L.P. Shildneck			
	7	US 3,197,723	7/27/65	I.K.Dortort			
	8	US 3,392,779	7/16/68	K.B. Tilbrook			
	9	US 3,411,027	11/12/68	H. Rosenberg			<u> </u>
	10	US 3,541,221	11/17/70	M.Aupoix et al			<u>-</u> .
	11	US 3,571,690	3/23/71	V V A V Lataisa			<u> </u>
	12	US 3,651,244	3/21/72	D.A. Silver et al			
	13	US 3,660,721	5/2/72	L.L.Baird			
	14	US 3,666,876	5/30/72	E.O.Forster		-	
	15	US 3,684,906	8/15/72	H.G.Lexz			
	16	US 3,699,238	10/17/72	T.E.Hansen et al			
	17	US 3,743,867	7/3/73	J.L. Smith, Jr.			
	_18	US 3,787,607	1/22/74	H.J.Schlafly			
	_19_	US 3,813,764	6/4/74	E. Tanaka et al			
	20	US 3,828,115	8/6/74	A.Hvizd, Jr.			
	21	US 3,912,957	10/14/75	H.B. Reynolds			
	22	US 3,993,860	11/23/76	J.P.Snow et al			
	_23	US 4,008,367	2/15/77	H. Sunderhauf			
	24	US 4,132,914	1/2/79	G.M. Khutoretsky			
	25	US 4,314,168	2/2/82	O. Breitenbach			
	26	US 4,321,426	3/23/82	F.K.Schaeffer			
	27	US 4,361,723	11/30/82	A.Hvizd Jr. et al`			
	28	US 4,365,178	12/21/82	H.G.Lexz			
	29	US 4,367,890	1/11/83	F.Spirk			
	30	US 4,384,944	5/24/83	D. A. Silver et al			
	31	US 4,401,920	8/30/83	R.S.Taylor et al			
	32	US 4,432,029	2/14/84	B. Lundqvist			
	33	US 4,437,464	3/20/84	J.J.Crow	1 1		

42 US 4,723,083 2/2/88 R.K.Elton 43 US 4,724,345 2/9/88 R.K.Elton et al Examiner Date Considered

R.K.Elton

N. Fahlen

11/20/84

12/25/84

4/2/85

5/28/85

2/18/86

10/7/86

3/24/87

11/11/86

R.S.Taylor et al

R.S.Taylor et al

K.Harada et al

D.C.Wang et al

M.Takaoka et al

R.K.Elton et al

34

35

36

37

38

39

40

41

US 4,484,106

US 4,490,651

US 4,508,251

US 4,520,287

US 4,571,453

US 4,615,778

US 4,6,22,116

US 4,652,963

#### INFORMATION DISCLOSURE CITATION LIST ALTERNATE FORM PTO-1449

( Corrected Listing of Original List )

	44	US 4,732,412	3/22/88	R. D.A. van der Linden et al
	45	US 4,761,602	8/2/88	G.Leibovich
	46	US 4,771,168	9/13/88	M.Gundersen et al
	47	US 4,859,989	8/22/89	H. McPherson
	48	US 4,890,040	12/26/89	M.A. Gundersen
	49	US 4,982,147	1/1/91	H.K.Lauw
	50	US 5,030,813	7/9/91	J. Stanisz
	51	US 5,091,609	2/25/92	K.Swada et al
	52	US 5,095,175	3/10/92	F. Yoshida et al H. Shimizu et al
	53	US 5,171,941	12/15/92	H. Shimizu et al
	54	US 5,182,537	1/26/93	R.C.Thuis FEB 7 3 2001
	55	US 5,231,249	7/27/93	H.Kimura et al
	56	US 5,287,262	2/15/94	H. Shimizu et al  R.C.Thuis  H.Kimura et al  J.Klein  L. Paulsson  M.G.Grothaus et al
	57	US 5,325,259	6/28/94	L. Paulsson
	58	US 5,399,941	3/21/95	M.G.Grothaus et al
	59	US 5,408,169	4/18/95	R.Jeanneret R.Jeanneret
	60	US 5,449,861	9/12/95	T. Fujino et al
	61	US 5,499,178	3/12/96	N. Mohan
	62	US 5,533,658	7/9/96	R.B. Benedict et al
	63	US 5,534,754	7/9/96	M. Poumey
	64	US 5,834,699	11/10/98	A.G.Buck et al
	65	US 847,008	3/12/07	l Kitsee
	ļ			
	-			
	-			
	-			
	<del> </del>			
	-			
	+			
	1			
Subtotal	65170		*****	

Examiner

Date

Considered

#### INFORMATION DISCLOSURE CITATION LIST ALTERNATE FORM PTO-1449

	DOCUMENT	DATE	GN PATENT DOCUMENTS  COUNTRY	TRANS	SLATION
	NUMBER			YES	NO
1	DE 209,313	4/25/84	Germany		
 2	DE 134,022	12/28/01	Germany		
3	DE 1,465,719	5/22/69	Germany C		
4	DE 19,020,222	3/13/97			
5	DE 19,620,906	1/8/96	Germany		
6	DE 386,561	12/13/23	Germany 🖔 🔗		
7	DE 3,925,337	2/7/91	Germany Anguary		
8	DE 406,371	11/21/24	Germany		
9	DE 4,402,184	8/3/95	Germany		
10	DE 4,438,186	5/2/96	Germany		
11	DE 975,999	1/10/63	Germany		
12	EP 0,102,513	1/22/86	European		
13	EP 0,185,788	7/2/86	European		
14	EP 0,221,404	5/16/90	European		
15	EP 0,503,817	9/16/92	European		
16	EP 0,620,630	10/19/94	European		
17	EP 0,739,087 A2	10/23/96	European		
18	EP 0,739,087 A3	3/27/97	European		
19	EP 0,749,193 A3	3/26/97	European		
20	EP 0,749,190 A2	12/18/96	European		
 21	EP 0,913,912 A1	5/6/99	European		
22	FR 2,481,531	10/30/81	France		
23	FR 916,959	12/20/46	France		
 24	EP 0,221,404	5/16/90	European		
 25	EP 0,277,358	8/10/86	European		
 26	EP 0,469,155 A1	2/5/92	European		
27	GB 2,150,153	6/26/85	United Kingdom		
 28	GB 2,332,557	6/23/99	United Kingdom		
29	DE 468,827	7/13/97	Germany		
 30	GB 666,883	2/20/52	United Kingdom		
 31	GB 739,962	11/2/55	United Kingdom		111
32	HU 175,494	11/28/81	Hungary		
 33	JP 2,017,474	1/22/90	Japan		
34	JP 57,126,117	5/8/82	Japan		
35	JP 62,320,631	6/23/89	Japan		
36	JP 7,161,270	6/23/95	Japan		
 37	JP 8,036,952	2/6/96	Japan		
 38	JP 8,167,360	6/25/96	Japan		
 39	SU 1,189,322	10-86	Switzerland		
 40	SU 266,037	10/11/65	Switzerland		
 41	SU 646,403	2/8/79	Switzerland		
 42	WO 91/11841	8/8/91	PCT		
 43		4/23/91	Int'l Search Report		
44	WO 91/15755 WO 97/29494	10/17/91	PCT		

Examiner	Date
	Considered
*Examiner: Initial if reference is considered, whether or not citation is	in conformance with MPEPO 600: Draw line through

## INFORMATION DISCLOSURE CITATION LIST ALTERNATE FORM PTO-1449

( Corrected Listing of Original List )

	46	WO 98/40627	9/17/98	PCT		
				PCT		
	48	WO 98/43336 PCT/DE 90/00279 PCT/CN 96/00010	11/27/90	Int'l Search Report		
	49	PCT/CN 96/00010	10/23/96	Int'l Search Report		
	50	PCT/FR 98/00468	6/8/98	Int'l Search Report		
	51	PCT/SE 98/02148	6/10/99	Int'l Prelim. Examination Report		
				1.55		
				0118		
				7		
				FEB 2 3 2001		
				H 2001 W		
				\$ 8		
				72. A		
				विद्वार १५		
	_					
l						
		-				
<b> </b>						
					-	
<b> </b>						
<b> </b>						_
	-					
<b> </b>						
<b> </b>						
Ų		<u> </u>			<u> </u>	

Subtotal 51

Examiner

Date
Considered

### INFORMATION DISCLOSURE CITATION LIST ALTERNATE FORM PTO-1449

( Corrected Listing of Original List )

	T 1	OD 044	REFERENCES (Including Title, Author, Date, Pertinent Pages, etc.)  A test installation of a self-tuned ac filter in the Konti-Skan 2 HVDC link; T. Holmgren,G.
13.63	_ '	000	Asplund, S. Valdemarsson, P. Hidman of ABB; U. Jonsson of Svenska Kraftnat; O. loof Vattenfall Vastsverige AB; IEEE Stockholm Power Tech Conference 6/1995, pp 64-70
OIPE	2	OD 045	Analysis of faulted Power Systems; P Anderson, Iowa State University Press / Ames, Iowa, 1973, pp 255-257
LEB 5 3 SU	013	OD 046	36-Kv. Generators Arise from Insulation Research; P. Sidler; <i>Electrical World</i> 10/15/193: ppp 524
FEB 2 1	4.5	OD 047	Oil Water cooled 300 MW turbine generator;L.P. Gnedin et al; <i>Elektrotechnika</i> , 1970, pp 6-8
	5	OD 048	J&P Transformer Book 11 <sup>th</sup> Edition; A. C. Franklin et al; owned by Butterworth – Heinemann Ltd, Oxford Printed by Hartnolls Ltd in Great Britain 1983, pp29-67
	6	OD 049	Transformerboard; H.P. Moser et al; 1979, pp 1-19
	7	OD 050	The Skagerrak transmission – the world's longest HVDC submarine cable link; L. Haglof et al of ASEA; ASEA Journal Vol 53, Number 1-2, 1980, pp 3-12
	8	OD 051	Direct Connection of Generators to HVDC Converters: Main Characteristics and Comparative Advantages; J.Arrillaga et al; <i>Electra</i> No. 149, 08/ 1993, pp 19-37
	9	OD 052	Our flexible friend article; M. Judge; New Scientist, 05/10/1997, pp 44-48
	10	OD 053	In-Service Performance of HVDC Converter transformers and oil-cooled smoothing reactors; G.L. Desilets et al; <i>Electra</i> No. 155, 08/1994, pp 7-29
	11	OD 054	Transformateurs a courant continu haute tension-examen des specifications; A. Lindroth et al; <i>Electra</i> No 141, 04/1992, pp 34-39
	12	OD 055	Development of a Termination for the 77 kV-Class High Tc Superconducting Power Cable; T. Shimonosono et al; IEEE Power Delivery, Vol 12, No 1, 01/1997, pp 33-38
	13	OD 056	Verification of Limiter Performance in Modern Excitation Control Systems; G. K. Girgis e al; IEEE Energy Conservation, Vol. 10, No. 3, 09/1995, pp 538-542
	14	OD 057	A High Initial response Brushless Excitation System; T. L. Dillman et al; IEEE Power Generation Winter Meeting Proceedings, 01/31/1971, pp 2089-2094
	15	OD 058	Design, manufacturing and cold test of a superconducting coil and its cryostat for SMES applications; A. Bautista et al; IEEE Applied Superconductivity, Vol 7, No. 2, 06/1997, pp 853-856
	16	OD 059	Quench Protection and Stagnant Normal Zones in a Large Cryostable SMES; Y. Lvovsk et al; IEEE Applied Superconductivity, Vol. 7, No. 2, 06/1997, pp 857-860
	17	OD 060	Design and Construction of the 4 Tesla Background Coil for the Navy SMES Cable Test Apparatus; D.W.Scherbarth et al; IEEE Appliel Superconductivity, Vol. 7, No. 2, 06/1997 pp 840-843
	18	OD 061	High Speed Synchronous Motors Adjustable Speed Drives; ASEA Generation Pamphlet OG 135-101 E, 01/1985, pp 1-4
	19	OD 062	Billig burk motar overtonen; A. Felldin; ERA (TEKNIK) 08/1994, pp 26-28
	20	OD 063	400-kV XLPE cable system passes CIGRE test; ABB Article; ABB Review 09/1995, pp 3
	21	OD 064	FREQSYN – a new drive system for high power applications; J-A. Bergman et al; ASEA Journal 59, 04/1986, pp16-19
_	22	OD 065	Canadians Create Conductive Concrete; J. Beaudoin et al; Science, Vol. 276, 05/23/1997, pp 1201
	23	OD 066	Fully Water-Cooled 190 MVA Generators in the Tonstad Hydroelectric Power Station; E. Ostby et al; BBC Review 08/1969, pp 380-385
	24	OD 068	Relocatable static var compensators help control unbundled power flows; R. C. Knight e al; <i>Transmission &amp; Distribution</i> , 12/1996, pp 49-54
	25	OD 069	Investigation and Use of Asynchronized Machines in Power Systems*; N.I.Blotskii et al; Elektrichestvo, No. 12, 1-6, 1985, pp 90-99

Examiner	Date
	Considered

## INFORMATION DISCLOSURE CITATION LIST ALTERNATE FORM PTO-1449

( Corrected Listing of Original List )

	26	OD 070	Variable-speed switched reluctance motors; P.J. Lawrenson et al; IEE proc, Vol 127, Pt.B, No.4, 07/1980, pp 253-265
	27	OD 071	Das Einphasenwechselstromsystem hoherer Frequenz; J.G. Heft; Elektrische Bahnen eb; 12/1987, pp 388-389
	28	OD 072	Power Transmission by Direct Current; E. Uhlmann; ISBN 3-540-07122-9 Springer-Verlag, Berlin/Heidelberg/New York; 1975, pp 327-328
	29	OD 073	Elektriska Maskiner; F. Gustavson; Institute for Elkreafteknilk, KTH; Stockholm, 1996, pp 3-6 - 3-12
	30	OD 074	Die Wechselstromtechnik; A. Cour' Springer Verlag, Germany; 1936, pp 586-598
a10	31	OD 075	Insulation systems for superconducting transmission cables; O.Toennesen; Nordic Insulation Symposium, Bergen, 1996, pp 425-432
FEB ? 3 20	87 33 10 33	OD 076	MPTC: An economical alternative to universal power flow controllers; N. Mohan; EPE 1997, Trondheim, pp 3.1027-3.1030
		OD 078	Lexikon der Technik; Luger; Band 2, Grundlagen der Elektrotechnik und Kerntechnik, 1960, pp 395
TO ADDINGEN		OD 079	Das Handbuch der Lokomotiven (hungarian locomotive V40 1´D´); B. Hollingsworth et al; Pawlak Verlagsgesellschaft; 1933, pp. 254-255
	35	OD 080	Synchronous machines with single or double 3-phase star-connected winding fed by 12-pulse load commutated inverter. Simulation of operational behaviour; C. Ivarson et al; ICEM 1994, International Conference on electrical machines, Vol. 1, pp 267-272
	36	OD 081	Elkrafthandboken, Elmaskiner; A. Rejminger; Elkrafthandboken, Elmaskiner 1996, 15-20
	37	OD 082	Power Electronics - in Theory and Practice; K. Thorborg; ISBN 0-86238-341-2, 1993, pp 1-13
	38	OD 083	Regulating transformers in power systems- new concepts and applications; E. Wirth et al; ABB Review 04/1997, p 12- 20,
	39	OD 084	Tranforming transformers; S. Mehta et al; IEEE Spectrum, July 1997, pp. 43-49
	40	OD 085	A study of equipment sizes and constraints for a unified power flow controller; J. Bian et al; IEEE Transactions on Power Delivery, Vol.12, No.3, July 1997, pp.1385-1391
	41	OD 086	Industrial High Voltage; F.H. Kreuger; Industrial High Voltage 1991 Vol I, pp. 113-117
	42	OD 087	Hochspannungstechnik; A. Küchler; Hochspannungstechnik, VDI Verlag 1996, pp.365-366, ISBN 3-18-401530-0 or 3-540-62070-2
	43	OD 088	High Voltage Engineering; N.S. Naidu; High Voltage Engineering, second edition 1995 ISBN 0-07-462286-2, Chapter 5, pp91-98,
	44	OD 089	Performance Characteristics of a Wide Range Induction Type Frequency Converter; G.A. Ghoneem; Ieema Journal, September 1995, pp 21-34
	45	OD 090	International Electrotechnical Vocabulary, Chapter 551 Power Electronics; unknown author; International Electrotechnical Vocabulary Chapter 551: Power Electronics Bureau Central de la Commission Electrotechnique Internationale, Geneve; 1982, pp1-65
	46	OD 091	Design and manufacture of a large superconducting homopolar motor; A.D. Appleton; IEEE Transactions on Magnetics, Vol. 19,No.3, Part 2, 05/1983, pp 1048-1050
	47	OD 092	Application of high temperature superconductivy to electric motor design; J.S. Edmonds et al; IEEE Transactions on Energy Conversion 06/1992, No. 2, pp 322-329
	48	OD 093	Power Electronics and Variable Frequency Drives; B. Bimal; IEEE industrial Electronics - Technology and Applications, 1996, pp.356,
	49	OD 094	Properties of High Plymer Cement Mortar; M. Tamai et al; Science & Technology in Japan, No 63; 1977, pp 6-14
	50	OD 095	Weatherability of Polymer-Modified Mortars after Ten-Year Outdoor Exposure in Koriyama and Sapporo; Y. Ohama et al; <i>Science &amp; Technology in Japan No. 63</i> ; 1977, pp 26-31
	51	OD 096	SMC Powders Open New Magnetic Applications; M. Persson (Editor); SMC Update ,Vol. 1, No. 1, April 1997
	52	OD 097	Characteristics of a laser triggered spark gap using air, Ar, CH4,H2, He, N2, SF6 and Xe; W.D. Kimura et al; Journal of Applied Physics, Vol. 63, No 6, 15 March 1988, p. 1882-1888

Examiner	Date
	Considered

#### INFORMATION DISCLOSURE CITATION LIST ALTERNATE FORM PTO-1449

( Corrected Listing of Original List )

	53	OD 098	Low-intensy laser-triggering of rail-gaps with magnesium-aerosol switching-gases; W. FREY; 11th International Pulse Power Conference, 1997, Baltimore, USA Digest of Technical Papers, p. 322-327
	-		
			OIPE
		_	
			P3 FEB 2 3 2001
			FEB 2 7 LUUI
		ļ	7,
			7940esse
	_		
	-	-	
	_		
	<u> </u>	-	
		- <del> </del>	
	_ <b> </b>		
	_		
	ļ	ļ	
	ļ	-	
	-		
	-		
	ļ		
	ļ	<b></b>	
	ļ		
ubtotal	53		
	,		
RAND	455		
OTAL	169		
xaminer			Date
-xaminer: I	nitial if re	ference is	Considered whether or not citation is in conformance with MDERO 600. Draw line there is
	::::::::::::::::::::::::::::::::::::::	rmanco an	considered, whether or not citation is in conformance with MPEP0 609; Draw line through d not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION LIST
ALTERNATE FORM PTO-
(Corrected Listing of Origina 1)

Docket Number:	Application Number
Applicant(s):	
Filing Date:	Group Art Unit

EXAMINER		DOCUMENT	DATE	NAME	CLASS	SUB	FILING DATE
INITIAL		NUMBER				CLASS	IF APPROPRIATE
114171776	1	US1304451	5/20/19	L. H. Burnham			
	2	US1418856	6/2/22	Robert B. Williamson			
	3	US1481585	1/22/24	James Robert Beard		7	OFE
	4	US1728915	9/24/29	E. P. Blankenship et al			8
	5	US1742985	1/7/30	L. H. Bumham			FD 7 2001
	6	US1747507	2/18/30	Robert B. George		De la companya de la	EB 7 1 2001
	7	US1756672	4/29/30	John M. Barr		望	45
	8	US1762775	6/10/30	Albert G. Ganz		- 4	
	9	US1781308	11/11/30	Mauritz Vos			ADEMIN
	10	US1861182	5/31/32	F. Hendey et al			
	11	US1974406	9/25/34	Vincent G. Apple et al			
	12	US2006170	6/25/35	Gustof A. Juhlin			
	<u> </u>	US2206856	7/2/40	W. E. Shearer			
	13	US2217430	110/8/40	R. A. Baudry		i	1
	14	US2217430 US2241832	5/13/41	H.W. Wahlquist	<del></del>	<del>                                     </del>	
	15		8/5/41	L. O. Reichelt		i	
	16	US2251291	9/23/41	W. F. Davidson et al		<del> </del>	
	17	US2256897	9/8/42	G.R. Monroe		<del> </del>	<del> </del>
	18	US2295415	2/11/47	R. B. Norton	<del></del>	1	<del>                                     </del>
	1 19	US2415652		B. C. Evans		<del> </del> -	<del></del>
	20	US2424443	7/22/47	J. S. Johnson		<del> </del>	
	21	US2436306	2/17/48	G. Camilli		1	<del></del>
	22	US2446999	8/17/48	G. T. Johnston		1	
	23	US2459322	11/18/49	H. W. Lord	<del></del>	<del>-                                    </del>	<del> </del>
	24	US2462651	2/22/49	L. J. Berberich et al		<del></del>	<del> </del>
	25	US2498238	2/21/50	D. J. Monroe		<del>-                                    </del>	
	26	US2721905	10/25/55		1		
	1 27	US2780771	2/5//57	B. Lee	1	-	
	28	US2846599	8/5/58	H. H. McAdam	1		
	29	US2885581	5/5/59	P. T. Pileggi		1	
	30	US2943242	6/28/60	E. Schaschl et al	!	<del></del>	
	31	US2947957	8/2/60	U. C. Spindler		<del></del>	
	32	US2959699	11/8/60	J. W. Smith et al	<u> </u>		
	33	US2962679	11/29/60	J. L. Stratton			
	34	US2975309	3/14/61	M. Seidner	1		
	35	US3098893	7/23/63	R. A. Pringle et al	1		
	36	US3130335	4/21/64	L. J. Rejda			
	37	US3143269	8/4/64	J. Van Eldik	<del></del>		
	38	US3157806	11/17/64			1	
	39	US3158770	11/24/64		. <u></u>		
	40	US3268766	8/23/66	S. E. Amos		1	
	41	US3304599	2/21/67	R. W/ Nordin			
	42		11/21/67			1	
	43		11/23/68	James Webb			
1	44	US3372283	15/5/68	A. A. Jaecklin			

Examiner

Date Considered

	45 U	IS3418530	11/24/68	W. H. Cheever			
		IS3435262	3/25/69	R. B. Bennett et al			
		JS3437858	4/8/69	R. B. White			
<u>-</u>		JS3444407	5/13/69	E.S. Yates			
		JS3447002	5/27/69	C. Ronnevig			
		JS3484690	12/16/69	H. Wald	/0	TPE	
		JS3560777	2/2/71	W. Moeller			6
	<u> </u>	JS3500777 JS3593123	7/13/71	A. C. Williamson	/		10
			12/28/71	H. Salahshourian	154	2 3 2001	15
		JS3631519	2/22/72	H. Salahshourian	12		[差
	<u> </u>	US3644662	3/21/72	P. H. Leffmann	1 \ 9	- x	D.
		US3651402		A. A. Andersson et al	1	DED LACK	
		US3670192	6/13/72	H. G. Lenz		1	
		US3675056	7/4/72	M. Miyauchi et al	<del></del>		
		US3684821	8/15/72			<del>                                     </del>	
	59	US3716652	2/13/73	G. E. Lusk et al		<del> </del>	
	60	US3716719	2/13/73	H. W. Angelery et al		<del></del>	
		US3727085	4/10/73	P. B. Goetz et al		<del> </del>	
		US3740600	6/19/73	B. Turley			
		US3746954	7/17/73	A. Myles set al		<del> </del>	
		US3758699	9/11/73	G. Lusk et al		<del></del>	
	65	US3778891	112/18/73	R. Amasino et al		<del> </del>	
	66	US3781739	12/25/73	L. Meyer			
		US3792399	2/17/74	W. McLyman			
	67	US3801843	4/2/74	J. Corman et al			
	68	US3809933	5/7/74	H. Sugawara et al			
	69		5/6/75	B. Wolfe			
	70	US3881647	5/20/75	F. Marten		1	
	71	US3884154	6/24/75	H. Britsch		<u> </u>	
	72	US3891880	8/26/75	E. Forsyth et al	1		
	73	US3902000	11/13/76	A. Madsen			
	74	US3932779		J. Oswald		1	
	75	US3932791	1/13/76	J. Keuper et al		1	
	76	US3943392	3/9/76	K. Youtsey			
	77	US3947278	3/30/76	H. Higuchi et al			
	78	US3965408	6/22/76	D. Lambrecht et al	<del></del>	<del></del>	
	79	US3968388	7/6/76				
	80	US3971543	7/27/76				
	81	US3974314	8/10/76				
	82	US3995785	12/7/76	R. Arick et al	<del></del>	_	
	83	US4001616	11/4/77	P. Lonseth et al	1		
	84	US4008409.	2/15/77				
	85	US4031310	6/21/77				
	86	US4039740	8/2/77	Z. Iwata			
	87	US4041431	8/9/77	G. Enoksen			
	88	US4047138	9/6/77				1
	89	US406441 <b>9</b>	12/20/	77 R. Peterson			
	90		4/18/7				
			4/18/7		i		
	91		5/9/78				
	92		5/23/7				
<u></u>	93		5/23/7				
1	94		7/4/78				

Examiner

Considered

96 US4103075		E. Adam J. Trautner et al	-		
97 US4106069		R. Camahan et al	-		<del> </del>
98 US4107092	0110110	M. Olsson et al			<del></del>
99 US4109098	0.22		<del></del>	i	
100 US4121148		H. Platzer		<u> </u>	
101 US4134036	11.01	G. Curtiss		1-1511	
102 US4134055	170710	M. Akamatsu	+ /	1	1 3
103 US4134146	1110710	E. Stetson  A. Lesokhin et al	<del></del>	rre o	1 6
104 US4149101			1	FEB 2	2001
105 US4152615		R. Calfo et al	- 3	<del>`</del>	1 4
106 US4160193	17/3/79	A. Richmond		Viscon	Jav.
107 US4164672	8/14/79	C. Flick		1-40-	1
108 US4164772	8/14/79	N. Hingorani		<del></del>	
109 US4177397	12/4/79	John Lill		<del></del>	
110 US4177418	12/4/79	K. Brueckner et al		<del></del> -	
111 US4184186	1/15/80	P. Barkan		<del> </del>	
112 US4200817	4/29/80	T. Bratoljic			<del></del>
113 US4200818	4/29/80	C. Ruffing et al			
114 US4206434	6/3/80	A. Hase		<del></del>	
115 US4207427	6/10/80	G. Beretta el al			
116 US4207482		C. Neumeyer et al			
117 US4208597	6/17/80	A. Mulach et al			
118 US4229721	10/21/80	W. Koloczek et al		<del> </del> -	
119 US4238339		G. Khutoretsky et al			
120 US4239999	12/16/80	A. Vinokurov et al			
121 US4245182		H. Aotsu et al			
122 US4246694		H-G Raschbichler et al			
123 US4255684		W. Mischler et al			
124 US4258280		M. Starcevic			
125 US426220		C. Berner			
126 US427402		S. Higuchi et al			
127 US428126		T. Keim et al	<del>\</del>		
128 US430731		A. Grozinger			
129 US430847	6  12/29/81	R. Schuler			
130 US430857		A. Mase			
131 US431096	6 1/19/82	O. Brietenbach			
132 US431700	1 2/23/82	D. Silver et al			
133 US432064	15  3/23/82	L. Stanley			
134 US43215	18  3/23/82	M. Akamatsu	!		
135 US433072		D. Albright et al			
136 US433792		M. Streiff et al			
137 US43419		T. Sandberg et al		<del></del>	
138 US43474		J. F. Beau			
139 US43474	54 8/31/82	K. Gellert et al			
140 US43636	12, 10/12/82			!	
141 JUS43575		H. Kirschbaum			
142 US43607		2 H-G Raschbichler et ai		<u>:</u>	
143 US43674		M. Mendelsohn et al			
144 US43684					
145 US43693			i		
146 US43717		M. Sakashita		<u>         i                           </u>	1

	0.77/02	U. Katsekas	·		
147 US4387316	6/7/83				
148 US4403163	9/6/83	Rarmerding et al	!		
149 US4404486	9/13/83	T. Keim et al			
150 US4411710	10/25/83	M.Mochizuki et al			
151 US4421284	12/20/83	A. Pan			TOTES
152 US4425521	1/10/84	G. Rosenberry, Jr. et al			
153 US4426771	1/24/84	D. Wang et al			<u> </u>
154 US4429244	1/31/84	P. Nikiten et al			FEB 2 + 2001
155 US4431960	2/14/84	O. Zucker	<u> </u>	Š.	14
156 US4443725	4/17/84	S. Derderian et al		3	4
157 US4470884	9/11/84	D. Carr	<u> </u>		The state of the s
158 US4473765	9/25/84	T. Butman, Jr. et al	1	<u> </u>	A Control of the
	10/2/84	R. Munn			
	10/16/84	P. Nikitin et al	1	1	
	111/6/84	T. Keim			
161 US4481438	12/11/84	G. Dailey et al			
162 US4488079	3/5/95	M. Minnick et al	Ī		
163 US4503284		R. Elton	<del>                                     </del>	<del>                                     </del>	
164 US4510077	4/9/85	K. Sachs	<del> </del>	<del>                                     </del>	
165 US4517471	5/14/85	S. Arimoto	<del>                                     </del>	<del>i</del>	
166 US4523249	6/11/85	M. Baier et al	<del></del>	<del>                                     </del>	
167 US4538131	8/27/85	Y. Akiba et al		-	
168 US4546210	110/8/85			<del></del>	
169  US4551780	11/5/85	M. Canay M. Wcislo el al	<del></del>	<del></del>	
170 US4557038	12/10/85		<del></del>	<del>                                     </del>	
171 US4560896	12/24/85		-	<del>                                     </del>	
172 US4565929	1/21/86	J. Baskin et al		<del></del>	
173 US4588916	5/13/86	R. Lis		<del></del>	
174 US4590416	5/20/86	M. Porche et al	+	<del></del>	
175 US4594630	6/10/86	M. Rabinowitz et al	<u> </u>	1	
176 US4607183	8/19/86	J. Rieber et al			
177 US4615109	10/7/86	M. Wcislo et al			
178 US4618795	10/21/86				
179 US4619040	10/28/86		1		
180 US4633109	12/30/86	J. Feigel			
181 US4650924	3/17/87	J. Kauffman et al			
182 US4656379	4/7/87	F. McCarty			
183 US4677328	6/30/87	K. Kumakura			
184 US4687882	8/18/87	G. Stone et al	<u> </u>		_
185 US4692731	9/8/87	H. Osinga			
186 US4723104	2/22/88	F. Rohatyn			
187 US4737704	4/12/88	S. Kalinnikov et al			
188 US4745314	5/17/88		!		
189 US4766365	8/23/88				
190 US4785138	11/15/8			<del></del>	
191 US4795933	<del>`</del>	K. Sakai			
192 US4827172	5/2/89	K. Kobayashi			
193 US4845308	7/4/89	E. Womack, Jr. et al			
194 JUS4847747	17/11/89	A. Abbondanti			
195 US4853565					
196 US4859810 197 US4860430				1	
197 03-000430			Date		

Examiner

Date Considered

 198 US4864266	9/5/89	L. Feather et al	
 199 US4883230	11/28/89	L. Lindstrom	
 200 US4894284	1/16/90	S. Yamanouchi et al	
 201  US4914386	4/3/90	S. Zocholl	
202 JUS4918347	4/17/90	Y. Takaba	
 203 US4918835	4/24/90	H. Wcislo et al	MPR
204 US4924342	5/8/90	R. Lee	
205 US4926079	5/15/90	P. Niemela et al	
 206 US4942326	7/17/90	J. Butler, III et al	PEB 7 1 2001
 207 JUS4949001	8/14/90	S. Campbell	PEB 2   2001
 208  US4994952	2/19/91	D. Silva et al	
 209 US4997995	3/5/91	M. Simmons et al	Mappie
 210 US5012125	4/30/91	D. Conway	
 211 US5036165	7/30/91	R. Elton et al	
 212 US5036238	7/30/91	M. Tajima	
 213 US5066881	11/19/91	R. Elton et al	
 214 US5067046	11/19/91	R. Elton et al	
 215 US5083360	1/28/92	M. Valencic et al	
 216 US5086246	2/4/92	J. Dymond et al	
 217 US5094703	3/10/92	M. Takaoka et al	
 218 US5097241	3/17/92	E. Smith et al	
 219 US5097591	3/24/92	M. Wcislo et al	
 220 US5111095	5/5/92	J. Hendershot	
 221 US5124607	6/23/92	J. Rieber et al	
 222 US5136459	8/4/92	D. Fararooy	
 223 US5140290	8/18/92	H. Dersch	
 224 US5153460	10/6/92	L. Bovino et al	
 225 US5168662	12/8/92	K. Nakamura et al	
 226 US5187428	2/16/93	R. Hutchison et al	
 227 US5235488	8/10/93	S. Koch	
 228 US5246783	9/21/93	L. Spenadel et al	
 229 US5264778	111/23/93	D. Kimmel et al	
 230 US5304883	4/19/93	J. Denk	
 231 JUS5305961	4/26/93	A. Errard et al	
 232 JUS5321308	6/14/93	A. Johncock	
 233 US5323330	6/21/93	G. Asplund et al	
 234 US5325008	6/28/94	J. Grant	
 235 US5327637	7/12/94	O. Britenbach et al	
 236 US5341281	8/23/94	G. Skibinski	
 237 US5343139	8/30/94	L. Gyugyi et al	
 238 US5355046	10/11/94		
 239 US5365132	11/15/94		
 240 US5387890	2/7/95	P. Estop et al	
 241 US5397513	3/14/95	C. Steketee, Jr.	
 242 US5400005		H. Bobry	
 243 US5452170	9/19/95	S. Ohde et al	
244 US5468916	11/21/95		,
 245 US5500632	3/19/96	J. Halser, III	
 246 US5510942	4/23/96	IL. Bock et al	
 247 JUS5530307	6/25/96	G. Horst	
   248  US5545853	8/13/96	N. Hildreth	

Examiner

Date Considered

249	US5550410	8/27/96	C. Titus	
250	US5583387	12/10/96	M. Takeuchi et al	
251	US5587126	12/24/96	C. Steketee, Jr.	
252	US5598137	1/28/97	F. Alber et al	
253	US5607320	3/4/97	IJ. Wright	01PE
254	US5612510	3/18/97	N. Hildreth	
255	US5663605	9/2/97	P. Evans et al	6
1 256	US5672926	9/30/97	J. Brandes et al	S FEB 2 1 2001
257	US5689223	11/18/97	A Demarmels et al	13 1 1 定
258	JUS5807447	9/15/98	I. Forrest	1 45
259	US681800	9/3/01	O. Lasche	4 QEMAN
Subtotal - 259				

FOREIGN PATENT DOCUM	MEN	ITS
----------------------	-----	-----

	<del></del>	FOREIGN PATENT DOCUMENTS  DOCUMENT DATE COUNTRY TRANS				NSLATION	
		DOCUMENT NUMBER	DATE	COUNTRI	- 11/2/14/		
		11052.			YES	NO	
	1	AT399790	7/25/95	Austria			
	2	BE565063	2/23/57	Belgium			
	3	CH391071	4/30/65	Switzerland			
	4	CH534448	2/28/73	Switzerland			
	5	CH539328	7/4/73	Switzerland			
	6	CH657482	8/29/86	Switzerland			
	7	DD137164	8/15/79	Germany DDR			
	8	DD138840	11/21/79	Germany DDR			
	9	DE1638176	6/24/71	Germany			
<del></del>	10	DE1807391	5/27/70	Germany			
	11	DE2050674	5/19/71	Germany			
	12	DE2155371	5/17/73	Germany			
	13	DE2400698	7/10/75	Germany			
	14	DE2520511	11/18/76	Germany			
	15	DE2656389	6/15/78	Germany			
	16	DE2721905	11/23/78	Germany			
	17	DE277012	7/25/14	Germany			
	18	DE19547229	6/19/97	Germany			
	19	DE2824951	12/20/79	Germany		<u> </u>	
	20	DE2835386	2/21/80	Germany			
	21	DE2839517	3/27/80	Germany			
	22	DE2854520	6/26/80	Germany			
	23	DE2913697	10/16/80	Germany			
	24	DE2917717	8/20/87	Germany			
	25	DE2920478	12/4/80	Germany			
	26	DE2939004	4/9/81	Germany			
	27	DE3006382	8/27/81	Germany			
	28	DE3008818	<sub>1</sub> 9/10/81	Germany			
	29	DE3009102	9/25/80	Germany			
	30	DE3028777	3/26/81	Germany		<del></del>	
	! 31	DE3305225	8/16/84	Germany			
	: 32	DE3309051	9/20/84	Germany			
-	33	DE336418	6/23/20	Germany			
	1 34	DE3441311	5/15/86	Germany		<u> </u>	

Examiner	 Date
	Considered
	 THE METERS COO. Dear line through

			7011107	76		<del></del>	
,	35	DE3543106	6/11/87	Germany			
	36	DE3612112	10/15/87	Germany	<u> </u>		
<u></u>	37	DE372390	3/27/23	Germany			
	38	DE3726346	2/16/89	Germany			
	39	DE387973	1/9/24	Germany			
	40	DE4022476	1/16/92	Germany			
	41	DE4023903	11/7/91	Germany			
	42	DE40414	8/15/1887	Germany	<u>/ a</u>	1 P E	
	43	DE4233558	3/31/94	Germany	/	<i>'6</i> '.	
·····	44	DE425551	2/20/26	Germany	₩ FEB	<u> </u>	
<del></del>	45	DE426793	3/18/26	Germany	و هر	2 0 1001	
	46	DE432169	7/26/26	Germany	The state of the s	Æ.	
<del></del>	47	DE433749	9/7/26	Germany	\4.M	SV-	
	48	DE435608	10/18/26	Germany		Franch Market	
	49	DE435609	10/18/26	Germany			
	50	DE4409794	8/24/95	Germany			1
	51	DE4412761	10/26/95	Germany			
	52	DE441717	3/11/27	Germany		,	
	53	DE441717	12/14/95	Germany			
	54	DE443011	4/13/27	Germany	<del></del>	<u> </u>	
		DE460124	5/22/28	Germany	<del></del>	<u>                                      </u>	
	55	DE480124	9/14/29	Germany		!	
	56			<del> </del>		I	
	57	DE501181	7/3/30	Germany			1
	58	DE523047	4/18/31	Germany		1	
	59	DE568508	1/20/33	Germany		1	
	60	DE572030	3/9/33	Germany		!	
	61	DE584639	9/27/33	Germany		1	<u> </u>
<del></del>	62	DE586121	10/18/33	Germany			
	63	DE604972	11/6/34	Germany		!	
	64	DE629301	4/27/36	Germany		<del> </del>	
J. R. II	65	DE673545	3/24/39	Germany		<u> </u>	<u> </u>
	66	DE719009	3/26/42	Germany		1	1
· · · · · · · · · · · · · · · · · · ·	67	DE846583	8/14/52	Germany			<u> </u>
	68	DE875227	4/30/53	Germany			
	69	EP0120154	10/3/84	European			
	70	EP0130124	1/2/85	European		<del> </del>	
	71	EP0142813	5/29/85	European			
	72	EP0155405	9/25/85	European			
	73	EP0174783	3/19/86	European		!	
	74	EP0234521	19/2/87	European		i	
	75	EP0244069	11/4/87	European			
	76	EP0246377	11/25/87	European	<u>,</u>	<u> </u>	
	77	EP0265868	5/4/88	European		<u> </u>	
	78	EP0274691	7/20/88	European			
	79	EP0280759	9/7/88	European		1	
	80	EP0282876	9/21/88	European			
	81	EP0309096	3/29/89	European			<u> </u>
	82	EP0314860	5/10/89	European		i	
	83	EP0316911	5/24/89	European			
	84	EP0317248	5/24/89	European		İ	
!	85	EP0335430	110/4/89	European		i	

Examiner	Date
	Considered

86	EP0342554	11/23/89	European
	EP0375101	6/27/90	European
	EP0406437	1/9/91	European
	EP0439410	7/31/91	European
l	EP0440865	8/14/91	European
L	EP0490705	6/17/92	European
	EP049104	4/7/82	European
l	EP0493704	4/7/82	European OTPE
	EP0571155	111/24/93	European
l	EP0620570	10/19/94	European
1	EP0642027	3/8/95	European FEB 2001
	EP0671632	9/13/95	European
1	EP0676777	110/11/95	European
1	EP0677915	10/18/95	European European
1	EP0684679	11/29/95	European
	EP0684682	11/29/95	European
1		11/31/96	European
1	EP0695019 EP0732787	9/18/96	European
	1	10/16/96	
	EP0738034 EP0740315	10/16/96	European European
	·	11/2/97	European
	EP0751605	6/25/97	European
	EP0780926		
	EP078908	5/18/83	European
	EP0802542	10/22/97	European
1	FR1011924	4/23/49	France France
	FR1126975	3/11/55  7/6/59	France
	FR1238795	5/19/72	France
	FR2108171	6/13/75	France
114	FR2251938	10/22/76	France
115	FR2305879	7/28/78	France
116	FR2376542	4/17/81	France
117	FR2467502	6/7/85	France
118	FR2556146	8/14/87	France
119	FR2594271	11/27/95	France
120	FR2708157	4/29/36	France
121	FR805544 FR841351	11/19/38	France
122	FR847899	12/22/38	France
123		3/30/66	United Kingdom
124	GB1024583 GB1053337	12/30/66	United Kingdom
125	GB1053337 GB1059123	2/15/67	United Kingdom
125	GB1039123  GB1103098	2/14/68	United Kingdom
128	GB1103099	2/14/68	United Kingdom
· · · · · · · · · · · · · · · · · · ·	GB1103099	6/19/68	United Kingdom
129	GB117401	12/4/68	United Kingdom
	GB1135242 GB1147049	4/2/69	United Kingdom
131	GB1147049 IGB1157885	7/9/69	United Kingdom
132	GB1174659	112/17/69	United Kingdom
133	GB1174039 GB1236082	6/16/71	United Kingdom
135	GB123906	13/13/19	United Kingdom
136	GB1268770	13/29/72	United Kingdom
1 130	1001200110	, , , , , , , , , , , , , , , , , , , ,	

Examiner

Date Considered

Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP0 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

			-				
i	137	GB1340983	12/19/73	United Kingdom			
	138	GB1341050	12/19/73	United Kingdom			
		GB1365191	8/29/74	United Kingdom			
		GB1395152	5/21/75	United Kingdom			
<del></del>	141	GB1424982	2/11/76	United Kingdom	<del></del>	1	
		GB1426594	3/3/76	United Kingdom			
		GB1438610	6/9/76	United Kingdom		4	
<u> </u>	144	GB1445284	8/11/76	United Kingdom	<del></del>	1	
	145	GB1479904	7/13/77	United Kingdom	<del></del>	18	<del> </del>
	146	GB1473304 GB1493163	11/23/77	United Kingdom	50 FEB 2 3 2001	18	
		GB1502938	3/8/78	United Kingdom	3	<del>V</del>	
1	147	GB1502936	9/20/78	United Kingdom	- Traperio	<del>}</del>	<u> </u>
	148		7/18/79	United Kingdom	Francisch	<u> </u>	<del> </del>
	149	GB1548633		United Kingdom		1	<u> </u>
	150	GB1574796	9/10/80			1	
	151	GB2000625	1/10/79	United Kingdom		1	
	152	GB2022327	12/12/79	United Kingdom		1	
	153	GB2025150	1/16/80	United Kingdom		1	
	154	GB2034101	5/29/80	United Kingdom		-	
	155	GB2046142	11/12/79	United Kingdom			<del> </del>
	156	GB2070470	9/8/81	United Kingdom		<u> </u>	
	157	GB2071433	9/16/81	United Kingdom		<u> </u>	
	158	GB2081523	2/17/82	United Kingdom		<u> </u>	
l	159	GB2099635	12/8/82	United Kingdom			
1	160	GB2105925	3/30/83	United Kingdom			
	161	GB2106306	4/7/83	United Kingdom			
	162	GB2106721	4/13/83	United Kingdom		<u> </u>	
	163	GB2136214	9/12/84	United Kingdom			
<del>-</del>	164	GB2140195	11/21/84	United Kingdom		i .	
<u> </u>	165	GB2268337	1/5/94	United Kingdom		<u> </u>	
	166	GB2273819	6/29/94	United Kingdom		1	
<del></del>	167	GB2283133	4/26/95	United Kingdom		1	
<del></del>	168	GB2289992	12/6/95	United Kingdom			
	169	GB2308490	6/25/97	United Kingdom			
<del></del>	170	GB268271	3/31/27	United Kingdom			
	171	GB292999	4/11/29	United Kingdom			
	172	GB293861	11/8/28	United Kingdom			
	173	GB319313	7/18/29	United Kingdom			
	174	GB518993	3/13/40	United Kingdom		l	
<del> </del>	175	GB537609	6/30/41	United Kingdom			
	176	GB540456	10/17/41	United Kingdom		ŀ	
	177	GB589071	6/11/47	United Kingdom		!	
	178	GB685416	1/7/53	United Kingdom			
	179	GB702892	1/27/54	United Kingdom			
<u> </u>	180		9/8/54	United Kingdom			
	181		2/9/55	United Kingdom			
			12/19/56	United Kingdom			
	182		112/10/58	United Kingdom			
	183		2/10/60	United Kingdom	· · · · · · · · · · · · · · · · · · ·	<del>-                                    </del>	i
	184			United Kingdom			
	185		6/14/61	United Kingdom			
·	186	GB870583					

Examiner Date Considered

188	GB965741	8/6/64	United Kingdom	
189	GB992249	5/19/65	United Kingdom	
190	JP424909	1/28/92	Japan	
191	UP1129737	5/23/89	Japan	
192	UP318253	1/25/91	Japan	
193	JP3245748	2/23/90	Japan	
194	UP4179107	11/9/90	Japan	
195	JP5290947	4/8/92	Japan	910
196	UP57043529	8/29/80	Japan /	(1)
197	UP59076156	10/25/82	Japan E	FEB 2 3 2001 2
198	UP59159642	2/28/83	Japan 🗒	1 201 201
199	UP60206121	µ3/30/59	Japan	
200	JP6196343	12/22/92	Japan	TO FREATH ST
201	JP6233442	2/4/93	Japan	
202	JP6264964	9/18/85	Japan	
203	JP6325629	5/10/93	Japan	
204	JP7057951	8/19/93	Japan	
205	UP7264789	3/22/94	Japan	
206	JP8167332	12/13/94	Japan	
207	JP8264039	11/1/95	Japan	
208	JP9200989	11/17/96	- Japan	
209	LU67199	3/14/72	Luxembourg	
210	SE255156	2/25/69	Sweden	
211	SE305899	11/11/68	Sweden	
212	SE341428	12/27/71	Sweden	
213	SE453236	1/20/82	Sweden	
214	SE457792	6/12/87	Sweden	
215	SE502417	12/29/93	Sweden	
216	SE90308	9/21/37	Sweden	
217	SU1019553	11/6/80	USSR	
218	SU1511810	5/26/87	USSR	
219	SU425268	9/27/74	Soviet Union	
220	SU694939	1/7/82	Soviet Union	
221	SU792302	1/2/71	Soviet Union	
222	SU955369	8/30/83	Soviet Union	
223		8/5/82	PCT	
224		5/23/85	PCT	
225	<del></del>	10/4/90	PCT	
226		10/18/90	PCT	
227		1/24/91	PCT	
228		2/7/91	PCT	
229	<del></del>	3/30/91	PCT	
230		6/27/91	PCT	
231		10/17/91	PCT	
232		1/23/92	PCT	
233		3/5/92	PCT PCT	
234		110/28/93	PCT	
235		3/17/94 7/6/95	PCT	
236		8/17/95	PCT	
238		9/8/95	PCT	
1 230	14403024043	310133	1 91	<u>'</u>

Examiner	Date
ilexarring.	56.6
· S	Considered
	Considered

239	WO9622606	7/25/96	PCT		T .	
	WO9622607	7/25/96	PCT		<u> </u>	
240	<del>- i</del>	10/3/96	PCT		1	
241	WO9630144		IPCT		1	
242	WO9710640	3/20/97			1	
243	WO9711831	4/3/97	PCT		1	
244	WO9716881	5/9/97	PCT	<u> </u>	DIE.	
245	WO9745288	12/4/97	PCT		1	
246	WO9745847	12/4/97	IPCT IDOT	59 FEB 2.3	2001	
247	WO9745848	112/4/97	PCT	§ FEB ≥ 3	2001	
248	WO9745906	12/4/97	PCT	TANSM	1 3	
249	WO9745907	12/4/97	PCT	<u>`````````</u>	1 6°	
250	WO9745912	12/4/97	PCT		inc.,	
251	WO9745914	12/4/97	PCT			
252	WO9745915	12/4/97	PCT			
253	WO9745916	12/4/97	PCT			
254	WO9745918	12/4/97	PCT		1	
255	WO9745919	12/4/97	PCT			
256	WO9745920	12/4/97	PCT			
257	WO9745921	12/4/97	PCT		<u> </u>	
258	WO9745922	12/4/97	PCT			
259	WO9745923	12/4/97	PCT		1	
260	WO9745924	12/4/97	PCT			
261	WO9745925	12/4/97	PCT			
262	WO9745926	12/4/97	PCT			
263	WO9745927	12/4/97	PCT			
264	WO9745928	12/4/97	PCT		<u> </u>	
265	WO9745929	12/4/97	PCT			
266	WO9745930	112/4/97	PCT			
267	WO9745931	12/4/97	PCT			
268	WO9745932	12/4/97	PCT			
269	WO9745933	12/4/97	PCT			
270	WO9745934	12/4/97	iPCT			
271	WO9745935	12/4/97	PCT			
272	WO9745936	12/4/97	PCT		1	
273	WO9745937	12/4/97	PCT		i	
274	WO9745938	12/4/97	PCT			
275	WO9745939	12/4/97	PCT			
276	WO9747067	12/11/97	PCT			
277	WO9820595	5/14/98	PCT			
278	WO9820596	5/15/98	PCT			
279		5/14/98	PCT			<u> </u>
280	WO9820600	5/14/98	PCT			
281	WO9821385	5/22/98	PCT			
282		6/25/98	PCT			
283		6/25/98	PCT			
284		6/25/98	PCT			
285		7/9/98	PCT			
286		7/9/98	PCT			
287		7/9/98	PCT			
288		7/9/98	PCT		i	
289	<del></del>	7/9/98	PCT			
	·					

Examiner	Date
	Considered

290	WO9829932	[7/9/98	PCT	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
291	WO9833731	8/6/98	PCT			
<del></del>			PCT			
292	WO9833736	8/6/98				
293	WO9833737	8/6/98	PCT			
294	WO9834238	8/6/98	PCT			
295	WO9834240	8/6/98	PCT	10 PEN		
296	WO9834241	8/6/98	PCT		<u> </u>	
297	WO9834242	8/6/98	PCT	/	2	}
298	WO9834243	8/6/98	PCT	H	_ lz (	
299	WO9834244	8/6/98	PCT	<u> </u>	19	
300	WO9834245	8/6/98	PCT	· · · · · · · · · · · · · · · · · · ·	8	
301	WO9834246	8/6/98	PCT	APEN'EL.		
302	WO9834247	8/6/98	PCT			
303	WO9834248	8/6/98	PCT			
304	WO9834249	8/6/98	PCT			
305	WO9834250	8/6/98	PCT			
306	WO9834309	8/6/98	PCT			
307	WO9834312	8/6/98	PCT			
308	WO9834315	0/6/98	PCT			
309	WO9834321	8/6/98	PCT			
310	WO9834322	8/6/98	PCT		l	
311	WO9834323	8/6/98	PCT			
312	WO9834325	8/6/98	PCT			
313	WO9834326	8/6/98	PCT	100	1	
314	WO9834327	8/6/98	PCT		i	
315	WO9834328	8/6/98	PCT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
316	WO9834329	8/6/98	PCT			
317	WO9834330	8/6/98	PCT		1	
318	WO9834331	8/6/98	PCT		:	
319	WO9917309	4/8/99	PCT		:	
320	WO9917311	4/8/99	PCT			
321	WO9917312	4/8/99	PCT		1	
322	WO9917313	4/8/99	PCT		1	
323	WO9917314	4/8/99	PCT		1	
324	WO9917315	4/8/99	PCT			
325		4/8/99	IPCT		3	·
326	WO9917422	4/8/99	PCT		+	
327	<del> </del>	4/8/99	PCT	TOTAL CONTRACTOR OF THE CONTRA	i	
328		4/8/99	PCT			
329		4/8/99	PCT		1	
330	<u></u>	4/8/99	PCT			
331		4/8/99	PCT			
332		4/8/99	PCT			
333	<del></del>	4/8/99	PCT			
334		4/8/99	PCT		:	
335		4/22/99	PCT		:	
336		4/22/99	PCT		i i	
337		4/22/99	PCT			
338		6/3/99	PCT			
339		6/10/99	PCT			
340		6/10/99	PCT		i	
. 1	;		•		•	

Examiner Date Considered

	341	WO9928923	6/10/99	PCT		Ī	
<del>-</del>	342	WO9928924	6/10/99	PCT			
	343	WO9928925	6/10/99	PCT			
<del></del>	344	WO9928926	6/10/99	PCT		1	
	345	WO9928927	6/10/99	PCT	751PX		
	346	WO9928928	6/10/99	PCT		<u> Xi</u>	
	347	WO9928929	6/10/99	PCT	<del></del>	<u>a</u>	
	348	WO9928930	6/10/99	PCT PCT	50 FEB 2 2 2001	1	
		WO9928931	6/10/99	PCT	2	<del>/</del>	
	349		6/10/99	PCT		<u> </u>	
	350	WO9928934	6/10/99	IPCT	- AGENERY		
	351	WO9928994	6/10/99	IPCT IPCT			
	352	WO9929005		PCT		1	
	353	WO9929008	6/10/99				
	354	WO9929011	6/10/99	PCT			-
	355	WO9929012	6/10/99	PCT		<u> </u>	
	356	WO9929013	6/10/99	PCT			
	357	WO9929014	6/10/99	PCT			
	358	WO9929015	6/10/99	PCT			
	359	WO9929016	6/10/99	PCT			
	360	WO9929017	6/10/99	PCT	·		
	361	WO9929018	6/10/99	PCT			
	362	WO9929019	6/10/99	PCT		<u> </u>	
	363	WO9929020	6/10/99	PCT		1	
	364	WO9929021	6/10/99	PCT			
	365	WO9929022	6/10/99	PCT			
	366	WO9929024	6/10/99	PCT			
	367	WO9929026	6/10/99	PCT			
I	368	WO9929029	6/10/99	PCT			
	369	WO9929034	6/10/99	PCT			
Subtotal	369						
			FERENCES (Inc	uding Title,	Author, Date, Pertiner	it Pages, etc.)	
	1	OD001 S	hipboard Electric	al insulation:	; G. L. Moses, 1951, pp2	2&3	
			-				
	2	OD002 A	.BB Eikrafthandb	ok: ABB AB;	1988 ; pp274-276		
					1	1000 00 1	121 123
	3	OD003 E	Ekraft teknisk Ha	nabok, Z Eim	naskiner; A. Alfredsson e	et al. 1900. pp	121-125
				las is a Navy	Class of Generators Po	worformer: M	Leijon et al: 6/14/99:
	4			ies in a New	Class of Generators Po	wenonner, w.	Leijon et al. Grimos.
			p1-8.	a disolation N	Netz; Owman et al. ABE	AR: 2/8/99: n	n48-51
	5	OD005 (C	onne Frantormat	or direkt ins i	Netz, Owinan et al. Abb	igal Pumps Su	hmerged in the Fluid
	ô	OD006  S	suomersible Mot	ors and vvet-	Rotor Motors for Centrift	ayar Fumps Su	billerged in the Field
			landled: K., Bier	aratasa: C	Boschastnov et al: 1077	· Vol 48 No 6	nn1-7
-	7	OD007 H	righ Voltage Ger	erators; G.	Beschastnov et al; 1977	nik und Masch	inenham 49: 8/1931:
	3			on unterwas	sermotoren; Electrotech	HIIK UHU MASCH	micribalis, 70, 07, 07
	<u>                                     </u>		p2-8	in of the 110	-5OokV high-voltage ge	noratore: Mikiri	et al: World
	9	OD009	ropiems in desi	in or the 110	-500kV nign-voltage ge 21-27/77; Section 1. Par	nerawia, miniki ner#18	V
-		00010	riectrotechnical	Tosting of D	oebel bars; P. Marti et a	1: 1980 Pub 88	Voi 3 nn 25-31
	10	OD010 1	vianutacture and	of 110 to 22	) kV Elektrotechn. Obz	Vol. 64, No. 3	20132-136 March
	11		Hydroaiternators 1975: A. Abramo		J KV Elektrotechni. Obz.,	VOI. 5→, 140. 5,	ppioz 100 maron
1	!	!	1373, A. ADIAMO	· · · · · · · · · · · · · · · · · · ·			

Examiner	Date
	Considered
Examiner: Initial if reference is considered, whether or not citation	is in conformance with MPEP0 609; Draw line through

_	

		_	-
	12	OD012	Design Concepts for an Amorphous Metal Distribution Transformer, E. Boyd et al; IEEE 11/84
	13	OD013	Neue Wege zum Bau zweipoliger Turbogeneratoren bis 2 GVA, 60kV Elektrotechnik und Maschinenbau Wien Janner 1972. Heft 1, Seite 1 –11; G. Aichholzer
	14	OD014	Optimizing designs of water-resistant magnet wire; V. Kuzenev et al; Elektrotekhnika, Vol 59, No 12, pp35-40, 1988
	15	OD015	Zur Entwicklung der Tauchpumpenmotoren; A. Schanz; KSB, pp19-24
	16	OD016	Direct Generation of alternating current at high voltages; R. Parsons; IEEE Journal, Vol 67 #393, 1/15/29; pp1065-1080
20 LE	17	OD017	Stopfbachslose Umwalzpumpen- ein wichtiges Element im modernen Kraftwerkbau; H. Holz, KSB 1, pp13-19, 1960
FEB 7 3 2001	180	OD018	Zur Geschichte der Brown Boveri-Synchron-Maschinen; Vierzig Jahre Generatorbau; Jan-Feb 1931 pp15-39
	19	OD019	Technik und Anwendung moderner Tauchpumpen; A. Heumann; 1987
F Tayapisth	20	OD020	High capacity synchronous generator having no tooth stator, V.S. Kildishev et al; No.1, 1977 pp11-16.
	21	OD021	Der Asynchronmotor als Antrieb stopfbeichsloser Pumpen; E. Piemaus; Eletrotechnik und Maschinenbay No. 78, pp153-155, 1961
	22	OD022	Low core loss rotating flux transformer; R. F. Krause, et al; American Institute Physics J.Appl.Phys Vol 64 #10 11/1988, pp5376-5378
	23	OD023	An EHV bulk Power transmission line Made with Low Loss XLPE Cable;Ichihara et al; 8/92; pp3-6
	24	OD024	Underground Transmission Systems Reference Book: 1992;pp16-19; pp36-45; pp67-81
	25	OD025	Power System Stability and Control; P. Kundur, 1994; pp23-25;page 767
	26	OD026	Six phase Synchronous Machine with AC and DC Stator Connections, Part II:Harmonic Studies and a proposed Uninterruptible Power Supply Scheme; R. Schiferl et al.;8/1983 pp 2694-2701
	27	OD027	Six phase Synchronous Machine with AC and DC Stator Connections, Part 1: Equivalent circuit representation and Steady-State Analysis: R. Schiferl et al; 8/1983; pp2685-2693
	28	OD028	Reactive Power Compensation; T. Petersson: 1993; pp 1-23
	29	OD030	Permanent Magnet Machines; K. Binns; 1987; pp 9-1 through 9-26
	30	OD031	Hochspannungsanlagen for Wechselstrom; 97. Hochspannungsaufgaben an Generatorer und Motoren; Roth et al; 1938; pp452-455
	31	OD032	Hochspannungsanlagen for Wechselstrom; 97. Hochspannungsaufgaben an Generatorer und Motoren: Roth et al; Spring 1959, pp30-33
	32	OD033	Neue Lbsungswege zum Entwurf grosser Turpogeneratoren bis 2GVA, 6OkV; G. Aicholzer, 9/1974, pp249-255
	33	OD034	Advanced Turbine-generators- an assessment; A. Appleton, et al; International Conf. Proceedings, Lg HV Elec. Sys. Paris, FR. Aug-Sept/1976, Vol I, Section 11-02, pg1-9
	34	OD035	Fully slotless turbogenerators; E. Spooner; Proc., IEEE Vol 120 #12, 12/1973
	35	OD036	Toroidal winding geometry for high voltage superconducting alternators; J. Kirtley et al: MIT – Elec. Power Sys. Engrg. Lab for IEEE PES:2/1974
	36	OD037	High-Voltage Stator Winding Development; D. Albright et al; Proj. Report EL339, Project 1716, April 1984
	37	OD038	POWERFORMER ™: A giant step in power plant engineering; Owman et al; CIGRE 1998 Paper 11:1.1
	38	OD039	Thin Type DC/DC Converter using a coreless wire transformer; K. Onda et al; Proc. IEEE Power Electronics Spec. Conf.; 6/1994, pp330-334
	39	OD040	Development of extruded polymer insulated superconducting cable: 1/1992
	40	OD041	Transformer core losses; B. Richardson; Proc. IEEE 5/1986, pp365-368

Examiner	Date
·	Considered
*Examiner: Initial if reference is considered, whether or no	t citation is in conformance with MPEP0 609; Draw line through
citation if not in conformance and not considered. Include of	copy of this form with next communication to applicant.





	41	OD042	Cloth-transformer with divided windings and tension annealed amorphous wire; T. Yammamoto et al; IEEE Translation Journal on Magnetics in Japan Vol 4, No. 9 Sept. 1989
	42	OD043	A study of equipment sizes and constraints for a unified power flow controller, J Bian et al; IEEE 1996
Subtotal	43		10000000000000000000000000000000000000

				 <del></del>	<del></del>	
GRAND	1 671	Į.	i			
BOWIND	6/1		ļ.			,
ΙΤΟΤΔΙ	1	1	i			į
HUIAL	1	t	ľ			



Examiner

Date Considered

TINFORMATION DISCLOSURE ( TION LIST ALTERNATE FORM PTI 49  Issue 2: dated 02/21/00				Docket Number:		Application Number		
				Applicant(s):				
				Filing Date:	Group Art Unit:			
			ll S D	ATENT DOCUMENTS		<u>!</u>		
EXAMINER	<u> </u>	DOCUMENT	DATE	NAME	101 486	1 5110	SUINC DATE	
INITIAL		NUMBER		AVIAC	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	1	US 4,292,558	9/29/1981	Carl Flick et al	:	1		
	2	US 4,656,316	4/7/1987	Hans-Juergen Meitsch	<del>,</del>	1		
	1 3	İ		mans-Juergen Meitsch	18	i		
	4		1	i ,	1 3	1		
"	1 5		1	FEB 2	1 2001 F	Ì		
	6			A FEB /	1			
	7		i	F <sub>x</sub>	1 6	l –		
	8		1	1 37 AD	1.00			
	9				Ī			
	10				1	İ		
	11							
	12							
	13					į		
	14				Ī			
	15				1			
	16				i			
	17					i		
	18							
	19					İ		
	20		1					
	21				!		į	
	22				1	1		
	23	<u> </u>				!		
	24					!		
	25				<u> </u>			
	26							
	27			<u> </u>	<u> </u>			
	28					1		
	29		<u> </u>		1			
	30				<u> </u>			
	31			<u> </u>	-	:		
<b>]</b>	32				1			
	33		<del>-                                    </del>		<del>!</del>	1		
	34	<del> </del>			;	!	<u> </u>	
	35				<del></del>	<del> </del>		
1	36	1				!	·	
	20			1	1	•		
}	39			1	†			
L					·			
Subtotal	i i	3		1	Ī			
*···								

Examiner Date Considered

Issue2: dated 02/21/00

i	FOREIGN PATENT DOCUMENTS  DOCUMENT DATE COUNTRY TRANSLATION					
	NUMBER			YES	NO.	
i 1	GB 1,319,257	6/6/1973	Anders R. Andersson et al	1	1	
1 2	,GB 1,322,433	7/4/1973	Siemens Akstiengesellschaft	i	İ	
3	GB 2,070,341	9/3/1981	Hans-Georg Raschbichler et al	1 ,011	E	
4	WO 98/20598	5/14/1998	Jan-Anders Karlfeldtsgatan et al	T	18	
5	WO 98/20602	5/14/1998				
1 6	WO 98/34239	8/6/1998	Gunnar Steneorpsgatan et al	7	7001	
7	WO 99/28922	6/10/1999	Thorsten Schutte et al	7.	1 2	
8	WO 99/29005	6/10/1999	Mats Leijon et al	1 2	J. V.	
9	WO 99/29023	6/10/1999	Peter Carstensen et al			
1 10	WO 99/29025		Mats Leijon et al			
11	EP 0056580 A1	7/28/1982	Jacobus F.H. Van der Vegt			
12						
13					ļ	
14			<u> </u>	!	<u> </u>	
1 15					<u> </u>	
16		ļ			<u>!</u>	
17					<u> </u>	
18			<u> </u>	1	<u> </u>	
19					<u> </u>	
20					<del> </del> -	
! 21	<u>!</u>			·	1	
22				:	1	
23						
1 24		· · · · · · · · · · · · · · · · · · ·	1	!	<del> </del>	
1 25						
1 27		<u> </u>		!	1	
28						
29					1	
30					1	
31						
1 32	<del></del>	-	ı			
33		:	!	!		
34				!		
35				1	1	
36				į .	1	
37	ı	1			!	
: 38					!	
39				<del></del>	i	
40		:		!	<u> </u>	
41					<del></del>	

		 	'D-10	
Examiner	• -		Date	
			'Considered	

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP0 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to

Subtotal